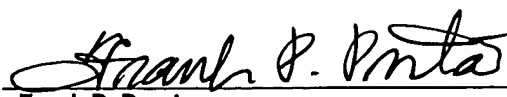


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| FORM PTO-1390<br>MODIFIED   | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY'S DOCKET NUMBER<br><b>2834-84</b>   |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>   |   | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)<br><div style="font-size: 24pt; font-weight: bold; text-align: center;">10/537988</div> |
| INTERNATIONAL APPLICATION NO.<br><b>PCT/KR2003/000299</b>   | INTERNATIONAL FILING DATE<br><b>12 February 2003</b>    | PRIORITY DATE CLAIMED<br><b>13 December 2002</b>   |
| TITLE OF INVENTION<br><b>APPARATUS FOR CATHODIC PROTECTION IN AN ENVIRONMENT IN WHICH THIN FILM CORROSIVE FLUIDS ARE FORMED AND METHOD THEREOF</b>  |   |  |
| APPLICANT(S) FOR DO/EO/US<br><div style="text-align: center;"><b>CHANG et al.</b></div>   |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |   |  |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The U.S. has been elected (Article 31).</li> <li>5. A copy of the International Application as filed (35 U.S.C. 371(c)(2).           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (25 pages specification, claims &amp; abstract (13 claims), 4 sheets drawings).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(3)           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto ( pages specification, claims &amp; abstract ( claims), sheets drawings, page Certificate of Translation).</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has <b>NOT</b> expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3).</li> <li>9. <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4).</li> <li>b. <input type="checkbox"/> Declaration was submitted to the International Bureau during International Phase (see copies of Declaration ( page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached).</li> </ol> </li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5).<br/><b>Items 11 To 20 below concern document(s) or information included:</b></li> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</li> <li>13. <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> A FIRST preliminary amendment.</li> <li>b. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</li> </ol> </li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. § 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information. PTO Form 1449 listing references cited in the attached International Search Report</li> </ol> |   |  |

JC20 Rec'd PCT/PTO 09 JUN 2005

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| U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.53)<br><b>117537988</b>  |              | INTERNATIONAL APPLICATION NO.<br><b>PCT/KR2003/000299</b>                     |                                | ATTORNEY'S DOCKET NUMBER<br><b>2834-84</b> |                 |
| 21. <input checked="" type="checkbox"/> The following fees are submitted:  |              |   |                                |  |                 |
| <b>BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):</b>  |              |   |                                |  |                 |
| <input checked="" type="checkbox"/> a) Basic national fee .....\$300.00 (1631)/\$150.00 (2631)   |              |   |                                | \$   | 300.00          |
| <input checked="" type="checkbox"/> b) Examination Fee .....\$200.00 (1633)/\$100.00 (2633)  |              |   |                                | \$   | 200.00          |
| <input checked="" type="checkbox"/> c) Search Fee .....\$500.00 (1632)/\$250.00 (2632)   |              |   |                                | \$   | 500.00          |
| <b>TOTAL OF ABOVE CALCULATIONS</b> .....\$1000.00/\$500.00   |              |   |                                | \$   | 1000.00         |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |   |                                |  |                 |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE                           |  |                 |
| 29 -100  | 0 /50 =      | 0.00  | \$0.00 (1681)<br>\$0.00 (2681) | \$   |                 |
| Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).   |              |   |                                |  |                 |
|  |              |   |                                |  |                 |
| CLAIMS   |              | NUMBER FILED  | # EXTRA                        | RATE                                       |                 |
| Total Claims   | 13           | minus 20  | 0 X                            | \$50.00 (1615)/                            | \$25.00 (2615)  |
|  |              | =   |                                |  |                 |
| Independent Claims   | 2            | minus 3 =   | 0 X                            | \$200.00 (1614)                            | \$100.00 (2614) |
| MULTIPLE DEPENDENT CLAIMS(S) (if applicable)   |              |   |                                | \$360.00 (1616)/\$180.00 (2616)            | \$ 0.00         |
| Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254)   |              |   |                                |  |                 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.  |              |   |                                |  |                 |
| Processing fee of \$130.00 (1618), for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)).  |              |   |                                |  |                 |
| TOTAL NATIONAL FEE =   |              |   |                                |  |                 |
|  |              |   |                                | \$   | 1000.00         |
| Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property   |              |   |                                |  |                 |
|  |              |   |                                | \$   | 0.00            |
| Fee for Petition to Revive Unintentionally Abandoned Application; \$1500.00 (1453) / \$750.00 (2453)   |              |   |                                |  |                 |
|  |              |   |                                | \$   | 40.00           |
| TOTAL FEES ENCLOSED =  |              |   |                                |  |                 |
|  |              |   |                                | \$   | 1040.00         |
|  |              |   |                                |  |                 |
|  |              |   |                                | Amount to be:                              |                 |
|  |              |   |                                | refunded                                   | \$              |
|  |              |   |                                | Charged                                    | \$              |
| a. <input type="checkbox"/> A check in the amount of \$1040.00 to cover the above fees is enclosed.<br>b. <input type="checkbox"/> Please charge my Deposit Account No. 14-1140 in the amount of \$_____ to cover the above fees.<br>A duplicate copy of this form is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.<br>d. <input checked="" type="checkbox"/> <b>CREDIT CARD PAYMENT FORM ATTACHED.</b><br>e. <input checked="" type="checkbox"/> The entire content of International Application No. PCT/KR2003/000299 and any U.S. and foreign application(s) corresponding thereto, and KR 2002/0079430 and KR 2002/0079431, referred to in this application is/are hereby incorporated by reference in this application.<br><b>NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.</b><br><b>CORRESPONDENCE ADDRESS</b><br><b>Direct all correspondence to:</b><br><input checked="" type="checkbox"/> <b>Customer Number:</b> <span style="border: 1px solid black; padding: 2px 20px;">23117</span><br><div style="text-align: center; font-size: small;">Type Customer Number here</div> |              |   |                                |  |                 |
| Telephone: (703) 816-4000<br>FPP:alb   |              |   |                                |  |                 |
| <div style="text-align: center;"> <br/> <b>Frank P. Presta</b><br/>         NAME       </div>  |              |   |                                |  |                 |
| <div style="display: flex; justify-content: space-between;"> <span>19,828</span> <span>June 9, 2005</span> </div>  |              |   |                                |  |                 |
| <div style="display: flex; justify-content: space-between;"> <span>REGISTRATION NUMBER</span> <span>Date</span> </div>   |              |   |                                |  |                 |